

STANDARD
JUL 02 2001
PATENT & TRADEMARK OFFICE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/839,755
		Filing Date	April 19, 2001
		First Named Inventor	Mark S. Knighton
		Group Art Unit	Not Assigned
		Examiner Name	Not Assigned
Total Number of Pages in This Submission	8	Attorney Docket Number	4956P006X

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div>-Return Receipt Postcard (1) -Form PTO-1449 (3)</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Thomas M. Coester, Reg. No. 39,637 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
Signature	<i>Thomas Coester</i>
Date	June 29, 2001

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: June 29, 2001			
Typed or printed name	Susan M. Ocegueda		
Signature	<i>Susan M. Ocegueda</i>	Date	06/29/01

FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number	09/839,755
Filing Date	04/19/01
First Named Inventor	Mark S. Knighton, et al.
Examiner Name	Not Assigned
Group Art Unit	Not Assigned
Attorney Docket Number	4956P006X

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666

Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP

- ☒ Charge Any Additional Fee Required Under 37CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. FILING FEE

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)

2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
13	=	X	=
5	=	X	=

Multiple Dependent Claims

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple Dependent claim
109	80	209	40	Reissue independent claims over original patent
110	18	210	9	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

*or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEE

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	390	216	195	Extension for response within second month	
117	890	217	445	Extension for response within third month	
118	1,390	218	695	Extension for response within fourth month	
128	1,890	228	945	Extension for response within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidably	
141	1,240	241	620	Petition to revive - unintentionally	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

SUBTOTAL (3) (\$)

* Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or Printed Name Thomas M. Coester, Reg. No. 39,637

Signature *Thomas Coester*

Date 6/29/2001

Complete (if applicable)

Reg. Number

Deposit Account User ID 02-2666

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

#2
K 30/30/01
8/30/01



Attorney's Docket No. 004956.P006X

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

Mark S. Knighton, et al.

Serial No. 09/839,755

Filed: April 19, 2001

Continuation-In-Part Application of: 09/660,809

For: METHOD FOR DEPTH DETECTION IN 3D
IMAGING PROVIDING A DEPTH MEASUREMENT
FOR EACH UNITARY GROUP OF PIXELS

Examiner: Not Assigned

Art Unit: Not Assigned

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 CFR §1.56, Applicants hereby disclose the prior art references that have been submitted and/or cited in the following related application:

Serial No.	Filing Date
09/660,809	09/13/00

Form 1449 (modified) is enclosed herewith. Copies of the references are not provided as permitted by 37 C.F.R. §1.98(d).

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, LLP

Date: 6/29/01

Thomas M. Coester
Thomas M. Coester, Reg. No. 39,637

12400 Wilshire Blvd., 7th Floor
Los Angeles, California 90025
(310) 207-3800

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on June 29, 2001.

Susan M. Ocegueda 6/29/01
Susan M. Ocegueda Date



Form PTO-1449 (Modified)	Atty Docket No. 004956.P006X	Serial No. 09/839,755
<i>List of Patents & Publications Statement</i>	Applicant(s): Mark S. Knighton, et al.	
(Use several sheets if necessary)	Filing Date: April 19, 2001	Group No.

U.S. PATENT DOCUMENTS

Exam Inits		Document Number	Date	Name	Class	Sub- class	Filing Date (if approp)
	AA	5,307,292	04/26/94	C. A. Brown, et al.	G01B	21/20	
	AB	5,315,512	05/24/94	James A. Roth	G06F	15/42	
	AC	5,335,317	08/02/94	J. Yamashita, et al.	G06F	15/72	
	AD	5,337,149	08/09/94	Ghazzan F. Kozah, et	G01B	11/24	
	AE	5,377,011	12/27/94	Stephen K. Koch	G01B	11/24	
	AF	5,414,647	05/09/95	S. E. Ebenstein, et al	G01C	25/00	
	AG	5,432,622	07/11/95	G. E. Johnston, et al	H04N	1/04	
	AH	5,471,303	11/28/95	Chiayu Ai, et al.	G01B	11/02	
	AI	5,531,520	07/02/96	W. E. L. Grimson, et	G06K	9/00	
	AJ	5,592,563	01/07/97	Dov Zahavi	G06K	9/40	
	AK	5,611,147	03/18/97	Simon Raab	G01B	7/03	
	AL	5,617,645	04/08/97	W.R.W. Wick, et al.	G01B	11/24	
	AM	5,627,771	05/06/97	Toshikazu Makino	G01B	5/008	
	AN	5,636,025	06/03/97	L. H. Bieman, et al	G01B	11/24	
	AO	5,646,733	07/08/97	Leonard H. Bieman	G01B	11/24	
	AP	5,661,667	08/26/97	Kurt D. Rueb, et al	G01B	11/00	
	AQ	5,678,546	10/21/97	Michael Truppe	A61B	5/05	
	AR	5,689,446	11/18/97	Arjen Sundman, et al	G06K	9/00	
	AS	5,704,897	01/06/98	Michael J. Truppe	A61B	1/04	
	AT	4,737,032	04/12/88	D.A. Addleman, et al	G01B	11/24	

FOREIGN PATENT DOCUMENTS

Exam. Initials		Document Number	Date	Country	Class	Sub- class	Translation Yes No
	AU						

OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)

Exam. Initials		Document Identification
	AV	www.inharmonytech.com/venus3d.index.html, "Introducing Venus 3D," 4 pages

Examiner: _____

Date Considered: _____

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Modified)	Atty Docket No. 004956.P006X	Serial No. 09/839,755
<i>List of Patents & Publications Statement</i>	Applicant(s): Mark S. Knighton, et al.	
(Use several sheets if necessary)	Filing Date: April 19, 2001	Group No.

U.S. PATENT DOCUMENTS

Exam Inits		Document Number	Date	Name	Class	Sub- class	Filing Date (if approp)
	AA	3,636,250	01/18/72	Andrew V. Haeff	H04N	9/56	
	AB	4,089,608	05/16/78	H. W. Hoadley	G01B	9/00	
	AC	4,564,295	01/14/86	Maurice Halioua	G01B	11/24	
	AD	4,590,608	05/20/86	Pi-Fuay Chen, et al	G06K	9/52	
	AE	4,641,972	02/10/87	Maurice Halioua, et	G01B	11/24	
	AF	4,657,394	04/14/87	Maurice Halioua	G01B	11/24	
	AG	4,705,401	11/10/87	D. A. Addleman, et	G01B	11/24	
	AH	4,724,525	02/09/88	Brian G. Purcell, et	G01B	11/24	
	AI	4,802,759	02/07/89	Goro Matsumoto, et	G01B	11/24	
	AJ	4,846,577	07/11/89	John R. Grindon	G01B	11/24	
	AK	5,067,817	11/26/91	Paul Glenn	G01B	11/24	
	AL	5,131,844	07/21/92	P.J. Marinaccio, et al	A61C	19/04	
	AM	5,132,839	07/21/92	Adrian R. L. Travis	G02B	27/22	
	AN	5,135,309	08/04/92	Michael Kuchel, et al	G01B	9/00	
	AO	5,175,601	12/29/92	John M. Fitts, et al.	G01B	11/24	
	AP	5,216,817	06/08/93	K.W. Misevich, et al	A61B	5/103	
	AQ	5,218,427	06/08/93	Stephen K. Koch	G01B	11/24	
	AR	5,231,470	07/27/93	Stephen K. Koch	G01B	11/04	
	AS	5,285,397	02/08/94	Helmut Heier, et al.	G01B	11/03	
	AT	5,289,264	02/22/94	Hans Steinbichler	G01B	11/24	

FOREIGN PATENT DOCUMENTS

Exam. Initials		Document Number	Date	Country	Class	Sub- class	Translation Yes No
	AU	DE4134546 A1	08/04/93	Germany	G01B	11/03	X

OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)

Exam. Initials		Document Identification
	AV	www.pointcloud.com/pages/Home.html , "Point Cloud," 5 pages

Examiner: _____ Date Considered: _____

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Modified)	Atty Docket No. 004956.P006X	Serial No. 09/839,755
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(Use several sheets if necessary)	Filing Date: April 19, 2001	

U.S. PATENT DOCUMENTS

Exam Inits		Document Number	Date	Name	Class	Sub- class	Filing Date (if approp)
	AA	5,747,822	05/05/98	Michael J. Sinclair, et	G01B	11/00	
	AB	5,771,310	06/23/98	William M. Vannah	G06K	9/00	
	AC	5,794,356	08/18,98	Simon Raab	G01B	7/03	
	AD	5,805,289	09/08/98	N. R. Corby, Jr., et	G01B	11/24	
	AE	5,864,640	01/26/99	J.L. Miramonti, et al	G06K	7/00	
	AF	5,870,220	02/09/99	A. Migdal, et al	G02B	26/08	
	AG	5,880,846	03/09/99	Erez Hasman, et al	G01B	11/24	
	AH	5,907,359	05/25/99	Tohru Watanabe	H04N	3/14	
	AI	5,910,845	06/08/99	Thomas M. Brown	G01B	11/24	
	AJ	5,944,598	08/31/99	Alan K.-W. Tong et	A22C	18/00	
	AK	5,988,862	11/23/99	Ben Kacyra, et al	G06F	17/50	
	AL	5,995,650	11/30/99	A. A. Migdal, et al	G06K	9/00	
	AM	5,999,641	12/07/99	D. B. Miller, et al	G06K	9/00	
	AN						
	AQ						
	AR						
	AS						
	AT						

FOREIGN PATENT DOCUMENTS

Exam. Initials		Document Number	Date	Country	Class	Sub- class	Translation Yes No
	AU						

OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)

Exam. Initials		Document Identification
		deskeng.com/3dd.htm, "Desktop Engineering, The C omplete Computing Resource for Engineers," 1977 Helmers Publishing, Inc., 1 page
	AV	<u>www.geometrixinc.com/mainwin.html</u> , "Who says you can't build Rome in a day?", 4 pages

Examiner: _____

Date Considered: _____

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.